

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): An injection molding with at least one surface which has self-cleaning properties, wherein the surface has at least one securely anchored layer of microparticles which form elevations.

Claim 2 (Original): The injection molding as claimed in claim 1, wherein the elevations have an average height of from 20 nm to 25 μm and an average separation of from 20 nm to 25 μm .

Claim 3 (Currently Amended): The injection molding as claimed in claim 1 ~~or 2~~, wherein the elevations have an average height of from 50 nm to 4 μm and/or an average separation of from 50 nm to 4 μm .

Claim 4 (Currently Amended): The injection molding as claimed in ~~any of claims 1 to 3~~ claim 1, wherein the actual elevations formed by the particles have an aspect ratio of from 0.3 to 0.9.

Claim 5 (Currently Amended): The injection molding as claimed in ~~any of claims 1 to 4~~ claim 1, wherein the microparticles are nanostructured microparticles which have a fine structure with elevations with an aspect ratio greater than 1.

Claim 6 (Currently Amended): The injection molding as claimed in ~~any of claims 1 to 5~~ claim 1, wherein the microparticles ~~have been~~ are selected from the group consisting of

particles of silicates, minerals, metal oxides, metal powders, silicas, pigments, ~~and~~ polymers and mixtures thereof.

Claim 7 (Currently Amended): The injection molding as claimed in ~~any of claims 1 to 6~~ claim 1, wherein the microparticles ~~have been~~ are selected from the group consisting of particles of fumed silicas, precipitated silicas, aluminum oxide, mixed oxides, doped silicates, titanium dioxide, ~~and~~ pulverulent polymers and mixtures thereof.

Claim 8 (Currently Amended): The injection molding as claimed in ~~any of claims 1 to 7~~ claim 1, wherein the microparticles have hydrophobic properties.

Claim 9 (Currently Amended): The injection molding as claimed in ~~any of claims 1 to 8~~ claim 1, wherein the injection molding itself comprises a material selected from the group consisting of polycarbonates, polyoxymethylenes, poly(meth)-acrylates, polyamides, polyvinyl chloride, polyethylenes, polypropylenes, aliphatic linear or branched polyalkenes, cyclic polyalkenes, polystyrenes, polyesters, polyether sulfones, polyacrylonitrile, polyalkylene terephthalates, poly(vinylidene fluoride), poly(hexafluoropropylene), poly(perfluoropropylene oxide), poly(fluoroalkyl acrylate), poly(fluoroalkyl methacrylate), poly(vinyl perfluoroalkyl ether), or comprises other polymers made from perfluoro-alkoxy compounds, poly(isobutene), poly(4-methyl-1-pentene), polynorbornene in the form of homo- or copolymer, ~~or else a mixture of these~~ and mixtures thereof.

Claim 10 (Currently Amended): The injection molding as claimed in ~~any of claims 1 to 9~~ claim 1, wherein the impressed particles have been anchored with from 10 to 90% of their average particle diameter in the surface.

Claim 11 (Currently Amended): The rejection molding as claimed in ~~any of claims 1 to 10~~ claim 1, wherein the microparticles have an average particle size (diameter) of from 0.02 to 100 μm .

Claim 12 (Currently Amended): A process for producing injection moldings as claimed in ~~any of claims 1 to 11~~ claim 1 with at least one surface which has self-cleaning properties and has elevations formed by microparticles, by injection molding, comprising ~~which comprises~~ applying microparticles to the injection mold prior to an injection-molding step and then carrying out an injection-molding step in which the microparticles are pressed into the surface of the injection molding.

Claim 13 (Original): The process as claimed in claim 12, wherein at least some of the impressed particles are impressed into the injection molding only to the extent of not more than 90% of their diameter.

Claim 14 (Currently Amended): The process as claimed in claim 12 further comprising ~~or 13, wherein use is made~~, for the injection-molding process, of utilizing a polymer based on polycarbonates, on polyoxymethylenes, on poly(meth)acrylates, on polyamides, on polyvinyl chloride, on polyethylenes, on polypropylenes, on aliphatic linear or branched polyalkenes, on cyclic polyalkenes, on polystyrenes, on polyesters, on polyether sulfones, on polyacrylonitrile, on polyalkylene terephthalates, on poly(vinylidene fluoride), on poly(hexafluoropropylene), on poly(perfluoropropylene oxide), on poly (fluoroalkyl acrylate), on poly(fluoroalkyl methacrylate), on poly(vinyl perfluoroalkyl ether), or of other polymers made from perfluoroalkoxy compounds, poly(isobutene), poly(4-methyl-1-

pentene), acrylonitrile-butadiene-styrene terpolymer (ABS), polynorbornene in the form of homo- or copolymer, and mixtures thereof ~~or else a mixture of these~~.

Claim 15 (Currently Amended): The process as claimed in ~~any least one of claims 12 to 14~~ claim 12, wherein the injection mold is a mold needed for the production of conventional injection moldings.

Claim 16 (Currently Amended): The process as claimed in ~~any of claims 12 to 15~~ claim 12, where the microparticles are applied to the injection mold by spray-application.

Claim 17 (Original): The process as claimed in claim 16, wherein the microparticles are applied to the injection mold by applying, to the injection mold, a suspension which comprises hydrophobic particles and comprises a solvent, and then evaporating the solvent.

Claim 18 (Original): The process as claimed in claim 16, wherein the microparticles are applied to the injection mold by applying an aerosol which comprises hydrophobic particles and a propellant gas.

Claim 19 (Currently Amended): The process as claimed in ~~at least one of claims 12 to 18~~ claim 12, wherein the injection-molding process is carried out using a pressure greater than 40 bar.

Claim 20 (Currently Amended): The process as claimed in ~~at least one of claims 12 to 19~~ claim 12, wherein the microparticles used have an average particle diameter of from 0.2 to 100 μm .

Claim 21 (Currently Amended): The process as claimed in ~~at least one of claims 12 to 20, wherein use is made of~~ claim 12 further comprising utilizing microparticles selected from the group consisting of silicates, minerals, metal oxides, metal powders, silicas, pigments, ~~and polymers~~ and mixtures thereof.

Claim 22 (Currently Amended): The process as claimed in ~~at least one of claims 12 to 21~~ claim 12, wherein the microparticles used have hydrophobic properties.

Claim 23 (Currently Amended): The process as claimed in ~~at least one of claims 12 to 22~~ claim 12, wherein the microparticles have hydrophobic properties by virtue of treatment with a suitable compound.

Claim 24 (Original): The process as claimed in claim 23, wherein the microparticles have been provided with hydrophobic properties prior to or after bonding to the surface of the injection molding.

Claim 25 (Currently Amended): A molding with a surface which has self-cleaning properties and has surface structures with elevations, produced by a process as claimed in ~~any of claims 12 to 24~~ claim 12.

Claim 26 (Original): The molding as claimed in claim 25, selected from the group consisting of vessels, lampshades, bins, storage vessels, drums, dishes, measuring beakers, funnels, tanks, and housing parts.